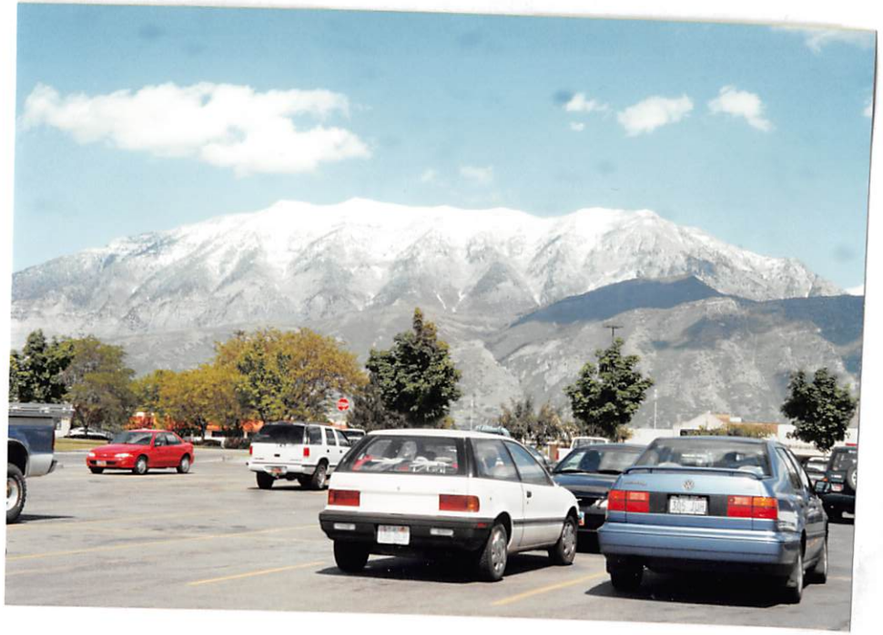Cascade